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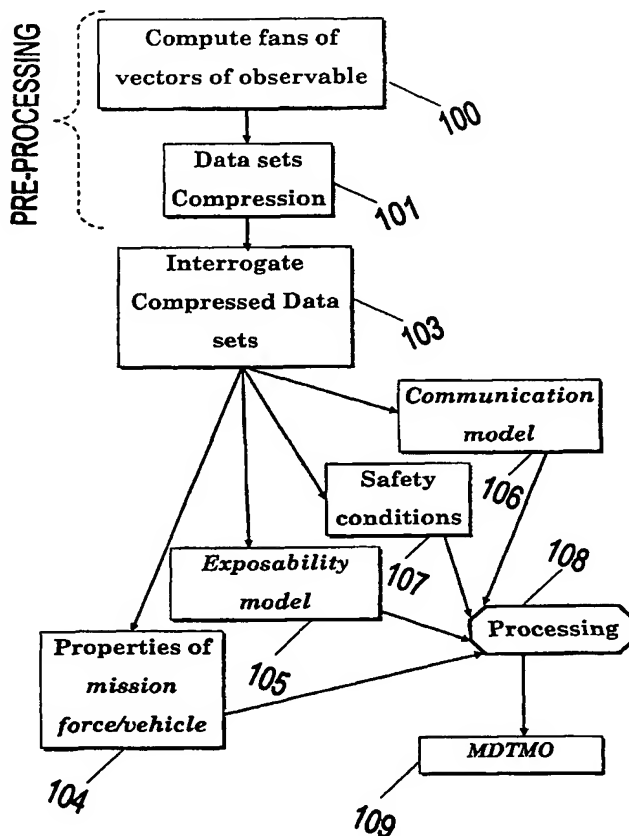
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(54) Title: A METHOD AND SYSTEM FOR PROCESSING AND ANALYZING DIGITAL TERRAIN DATA



(57) Abstract: A method for processing and analyzing digital terrain data utilizing Digital Terrain Elevation Data (DTED). The method comprises defining approach azimuth and visibility limitations angle which are used for defining directional fans by determining fan opening angle, fan azimuth, and maximal range for terrain analysis. At least one directional fan data set is constructed from at least one source point within the DTED, where the directional fan includes line of sight information between said source point and DTED points located within said directional fan. The method further comprises interrogating said data sets by one or more queries to obtain terrain information for given approach conditions.

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European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G01B G01C G05D F41G G06T

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 805 108 A (FEUERSTEIN DIETER W ET AL) 14 February 1989 (1989-02-14) abstract; figures 1,2	1,21
A	US 5 504 686 A (LIPPITT CARL E ET AL) 2 April 1996 (1996-04-02) cited in the application abstract; figures 2,5	1,23
A	US 5 526 260 A (KODET THOMAS A ET AL) 11 June 1996 (1996-06-11) abstract; figures 4,-6	1,23

☐ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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